Observations of Occultations of Stars by the Moon and Phenomena of Jupiter's Satellites, made at the Royal Observatory, Greenwich, in the year 1888.

Royal.
Astronomer
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by
Communicated

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·			Occultations of Stars by the Moon.	by the Moon.			
ay of Obs.	Phenomenon,	enon.	Telescope.	Power,	Moon's Limb.	Mean Solar Time of Observation.	Observer.
88, Jan. 28 (a)		No. 157	S.E. Equat.	220	Eclipsed	h m s Io 33 49'94	M.
28	6	165	Cooke Equat.	300		10 42 32.00	Ή̈́
82	66	180	Lassell Refl.	170	66	10 52 2.85	H. T.
28	:	180	Cooke Equat.	200	ğ	10 52 3.45	H.
28 (4)	66	181	Lassell Refl.	170	84	11 1 23.35	H. T.
28	Reapp.	126	Lassell Reff.	170	"	11 3 33.35	H. T.
28 (0)		126	S.E. Equat,	220	8	11 4(18.74)	M.
28	2	126	Cooke Equat.	200	86	11 3 33.12	H.
28 (d)	66	128	Lassell Refl.	0/1	*6	11 7 (0.35)	H. T.
28 (0)	*	128	Cooke Equat.	200	60	11 6 11.42	H.
88	Disapp.	201	Lassell Refl.	170	8	11 27 34.35	H. T.
28 (f)		210	Cooke Equat,	200		11 27 32.43	H.
28	Reapp.	157	Lassell Refl.	170	Ø,	11 34 23.85	H, T.
28	. 2	157	Corbett Refr.	OII	66	11 34 24.95	ij
28 (9)	"	150	Lassell Refl.	0/1	8.6	11 37 39.35	H. T.
28	s.	164	Lassell Refl.	170	9. E	11 54 3.55	H. T.
						t	

Day of Obs.	Phenomenon.	thon.	Telescope,	Power,	Moon's Limb.	Mean Solar Time of Observation.	Observer.
1888, Jan. 28 (h)	Reapp,	164	S.E. Equat.	200	Eclipsed	h m s 11 54 13 64	M.
28		164	· Corbett Refr.	110	***	11 54 4.85	Ţ.
(1) 82		165	S.E. Equat.	500	16	11 55 1.54	M.
82		181	Lassell Refl.	170	6	11 59 20.35	H.T.
82		180	Lassell Reff.	170	66	12 4 35.55	H. T.
28 (1)		180	S. E. Equat.	200	86	12 4 42.24	M.
28		180	Corbett Refr.	110	•	12 4 36.55	L.
May 20		Disapp. b Virginis	Altaz,	100	Dark	12 55 3375	Ħ,
24 (k)		Libræ	Altaz.	100	ŝ	10 51 40.37	A. D.
July 19 (1)	" Pi	agzi XVI. 236	Altaz,	100	66	10 26 34.00	H
23 (m)	Reapp. 20	Capricorni	E. Equat.	70	Bright	10 47 7.25	H. T.
Oct. 20	Disapp, 4	Ceti	E. Equat.	140	~	11 38 53.26	A.D.
(u) oz	" # Ceti	Ceti	Altaz,	100	66	11 38(28:38)	J. P.

The Nos. of the stars observed on the occasion of the total eclipse of the Moon, January 18, are taken from the catalogue of stars printed and circulated by Professor Struve.

Notes.

(b) Observation doubtful Doubtful if occulted by the Moon or hidden by cloud.

(d) Observation doubtful. Doubtful if the reappearance was from behind the Moon or cloud \widehat{c}

Observed a bright speck slightly within the Moon's limb; sky clouded over immediately.

The star seemed to touch the Moon's limb, and get rapidly fainter, to before it disappeared

It is believed that the real occultation was observed, although the Moon was partly hidden by cloud at the time, (h) Reappearance instantaneous and well observed. Observation doubtful,

(k) Observation difficult, owing to faintness of the star before disappearance. Clouds passing.

tar faint. (n) Very faint when first seen. (n) Observation doubtful

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Phenomena of Jupiter's Satellites,

4	Greenwich _,	Observat	ions	of	0	(

I										X	.XX.	3,									
	Observer.	H. T.	â	2	ij	6	A, D.		H. T.	ц	ŝ	*	A, D.	68	Ļ		A. D.	6	H, T.	66	*
÷	Mean Solar Time of N.A.	h m s 17 38 2		22 01		⊙ →		11 43 33	14 55		TO 29 I3		10 33	? } !*	14 18 42		10.20	*. !		12 13	
	Mean Solar Time of Observation.	h m s 17 38 9	16 12 43)	16 20 13 5	11 7 58 \	11 15 47 J	11 34 35)	11 42 33	14 51 13	to 54 31	10 86 26	ro 58 37	10 32 58	to 35 48 J	14 14 40)	14 18 4)	10 26 5)	to 30 20 J	12 4 37	12 11 52	12 20 7
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t neibonicina y a aprice o saucentices.	Telescape,	Altaz,	E. Equat.	÷.	2.	48	Altag.	8.6	Lassell Refl,	E. Equat,	66	6.6	Ø.	8.8	66	8.6	Altag.	83	Lassell Reff,	6.6	g.,
100000000000000000000000000000000000000	Phenomencu.	Ecl, R, First seen	. Tr, Ing, First contact	Bisection	Opc. R. First seen	Last contact	II, Eel, D. Began to fade	Last seen	Occ. R. First seen	Ecl, D, Began to fade	Bisection	Last geen	Tr, Egr. First contact	Last contact	Eel. D. Began to fade	Last seen	Tr. Egr. Bisection	Last contact	Tr. Ing. First contact	Bisection	Last contact
	Satellite,	III,	III,	III,	III.	III,	II,	JI,	Ϊ	ř	⊢	۳	ř	> →	II,	II,	III.	III,	III,	111,	111,
	of Obs.	, Jan, §	Apr. 18 (a)	18	(9) 62	6z	May §	ហ	(o) ss	0	6	6	10(d)	ЮI	12	12	24	2 ‡	31	31	31